

Figure 1

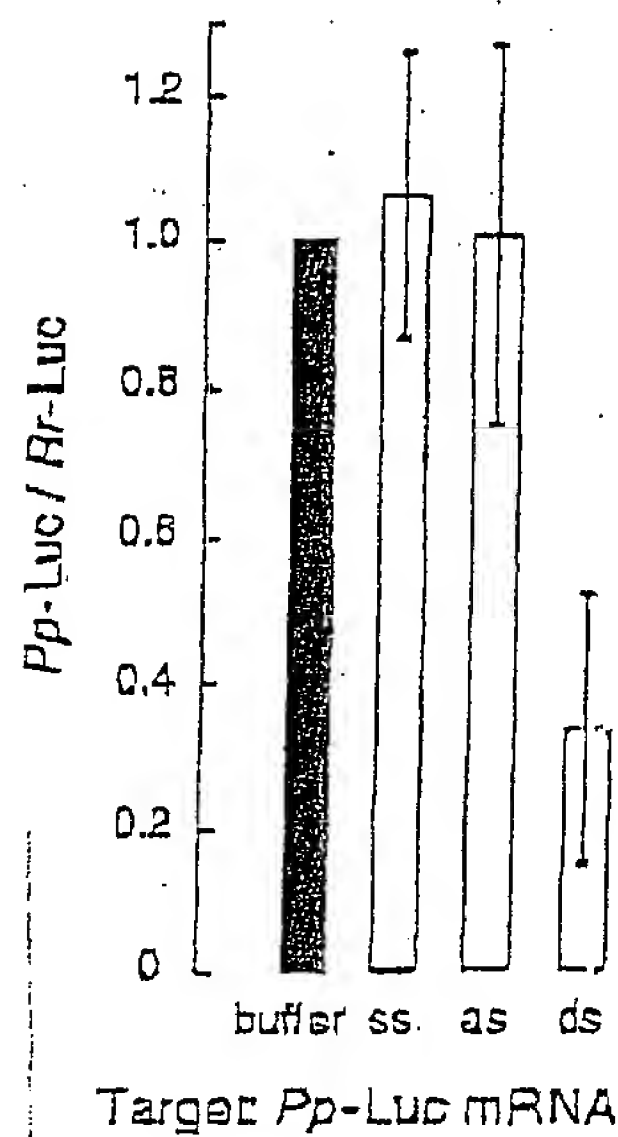


Figure 2A

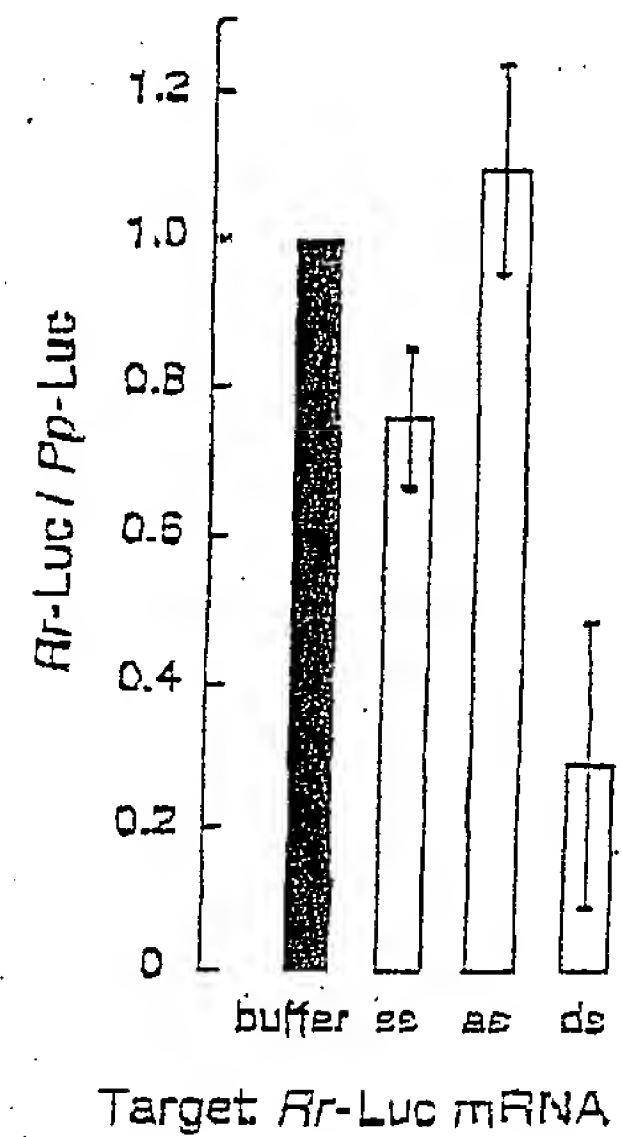


Figure 2B

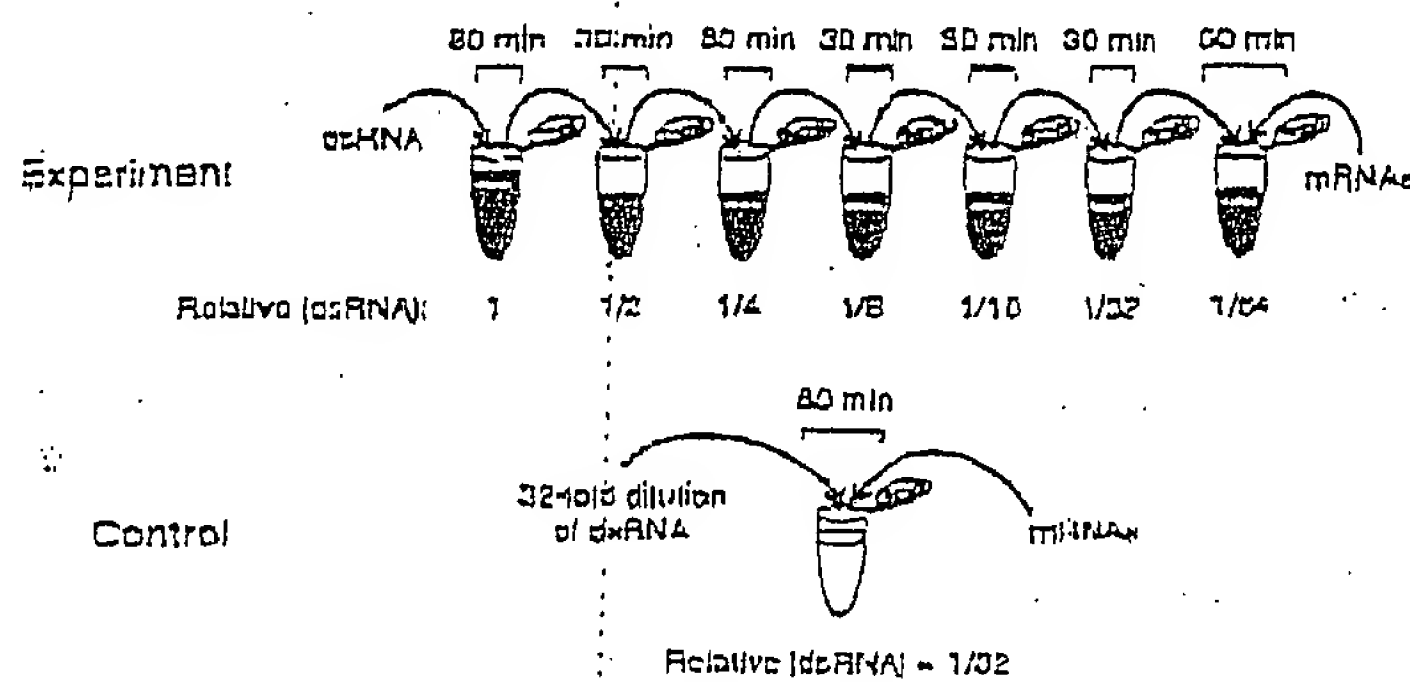


Figure 3A

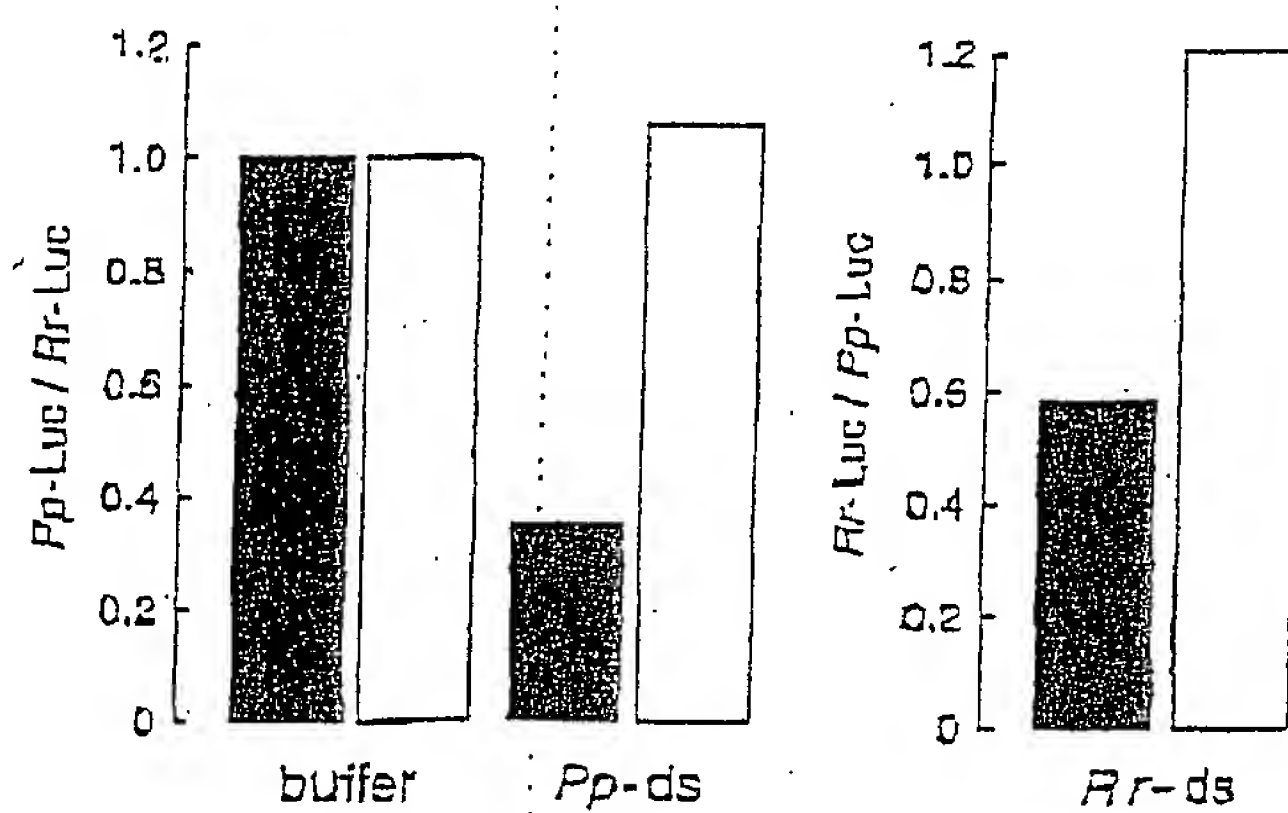


Figure 3B

Figure 3C

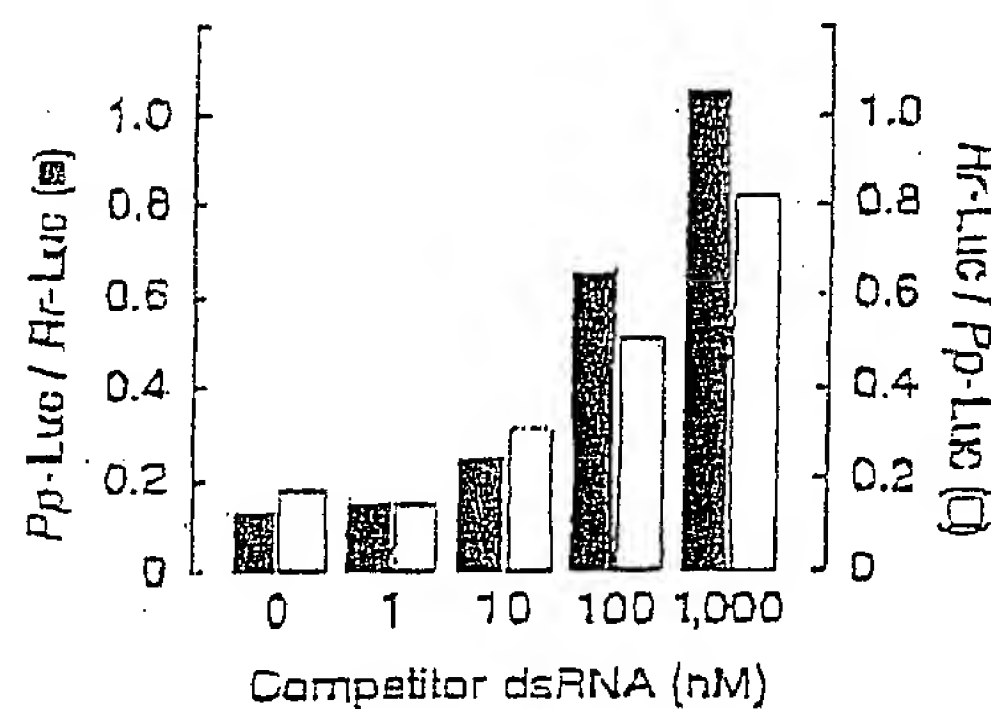


Figure 4

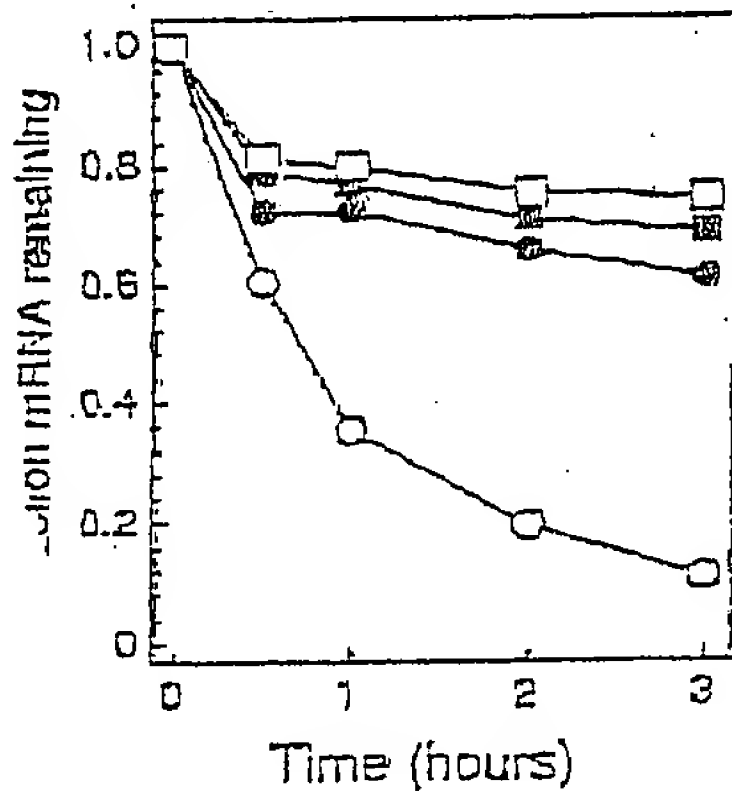


Figure 5A

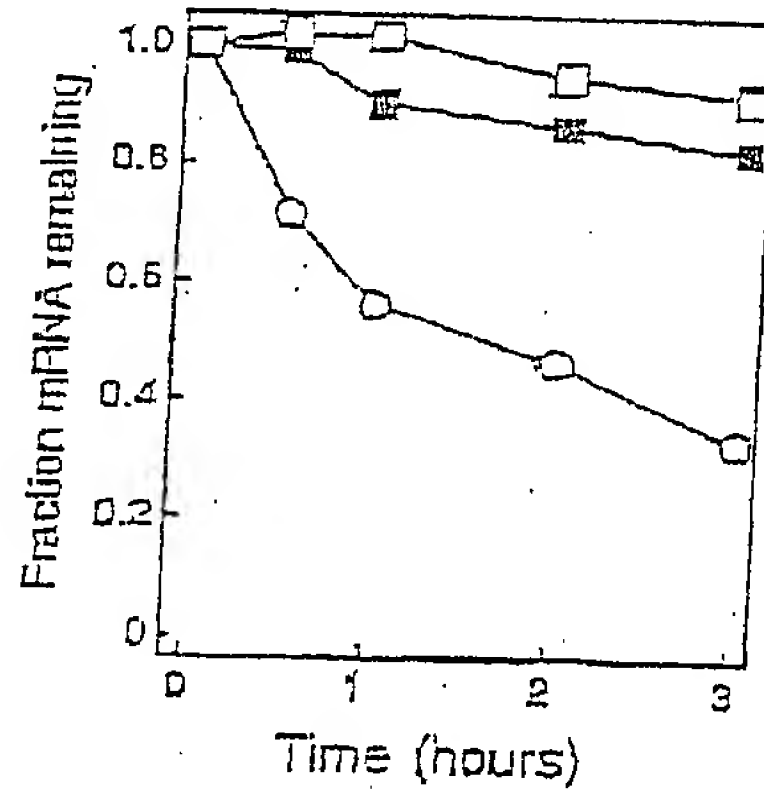


Figure 5B

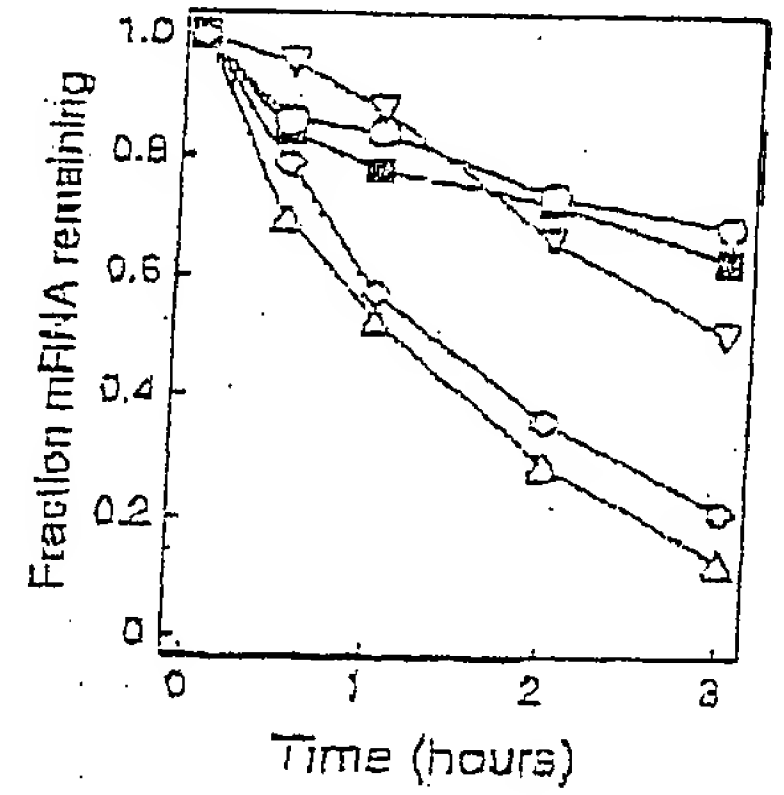


Figure 5C

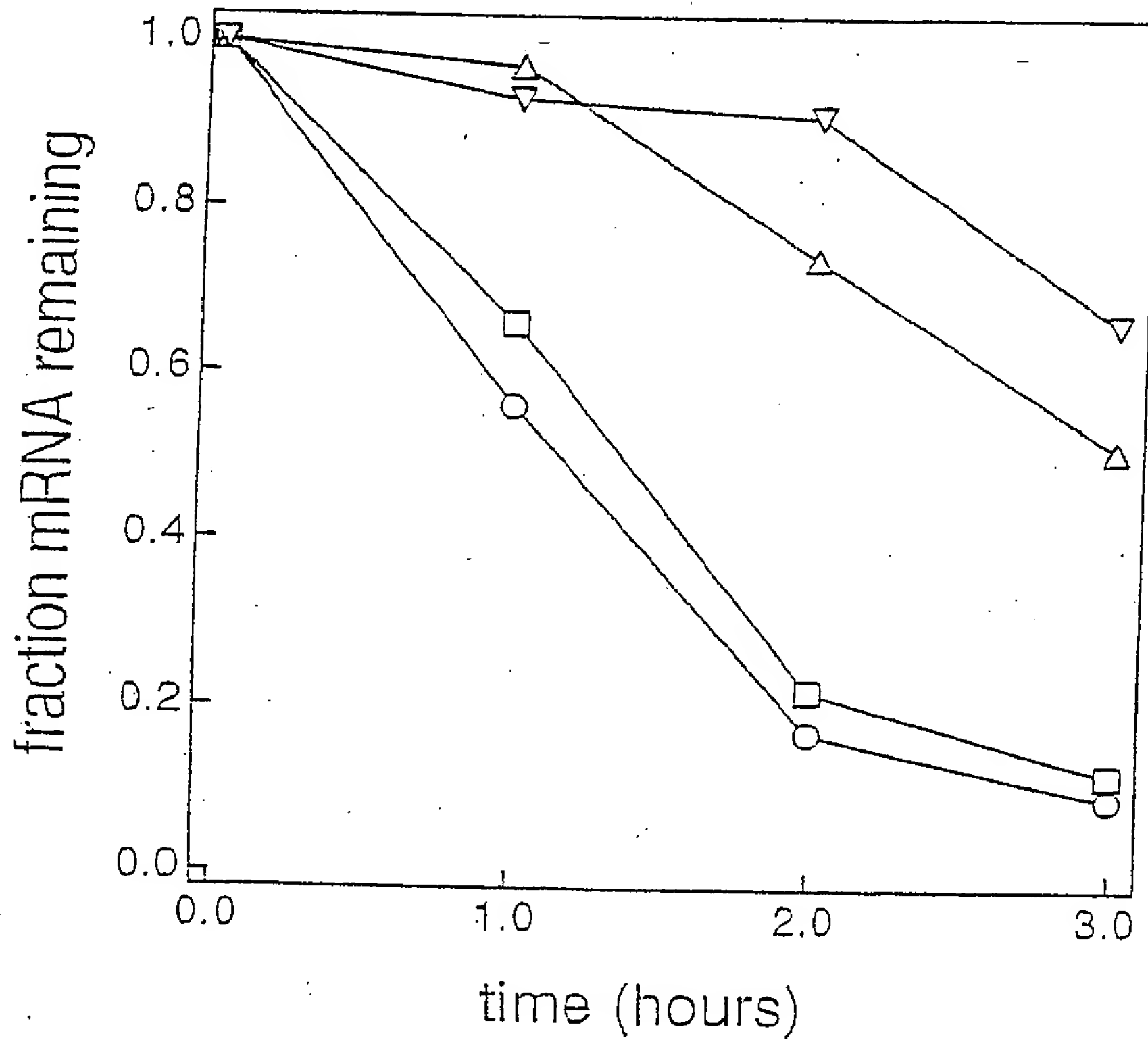


Figure 6

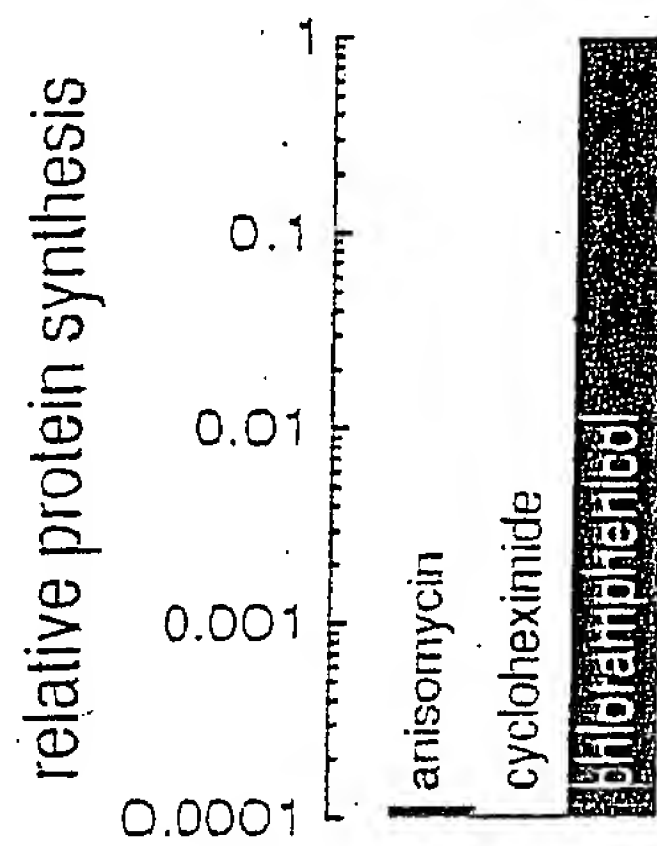


Figure 7A

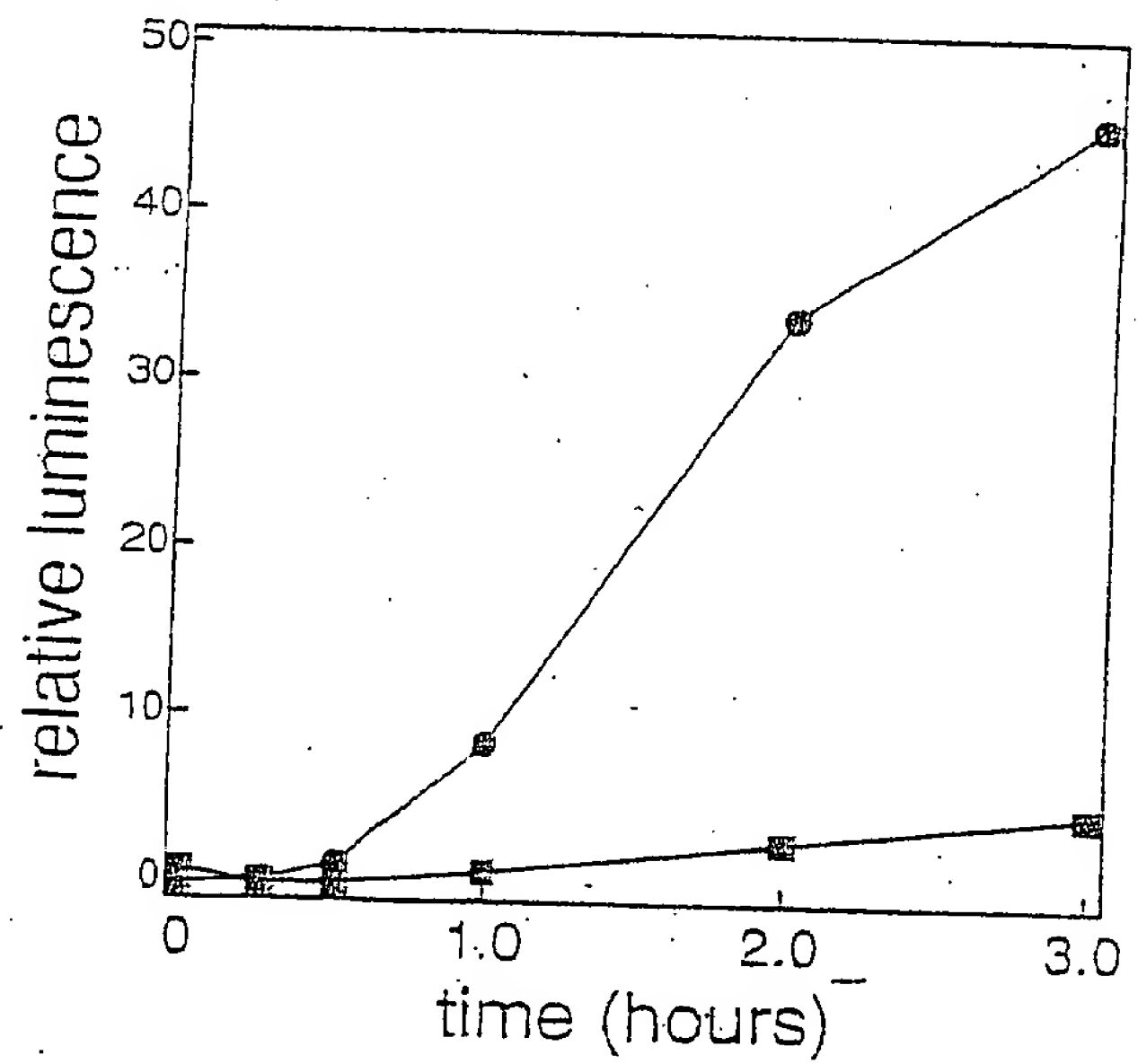


Figure 7B

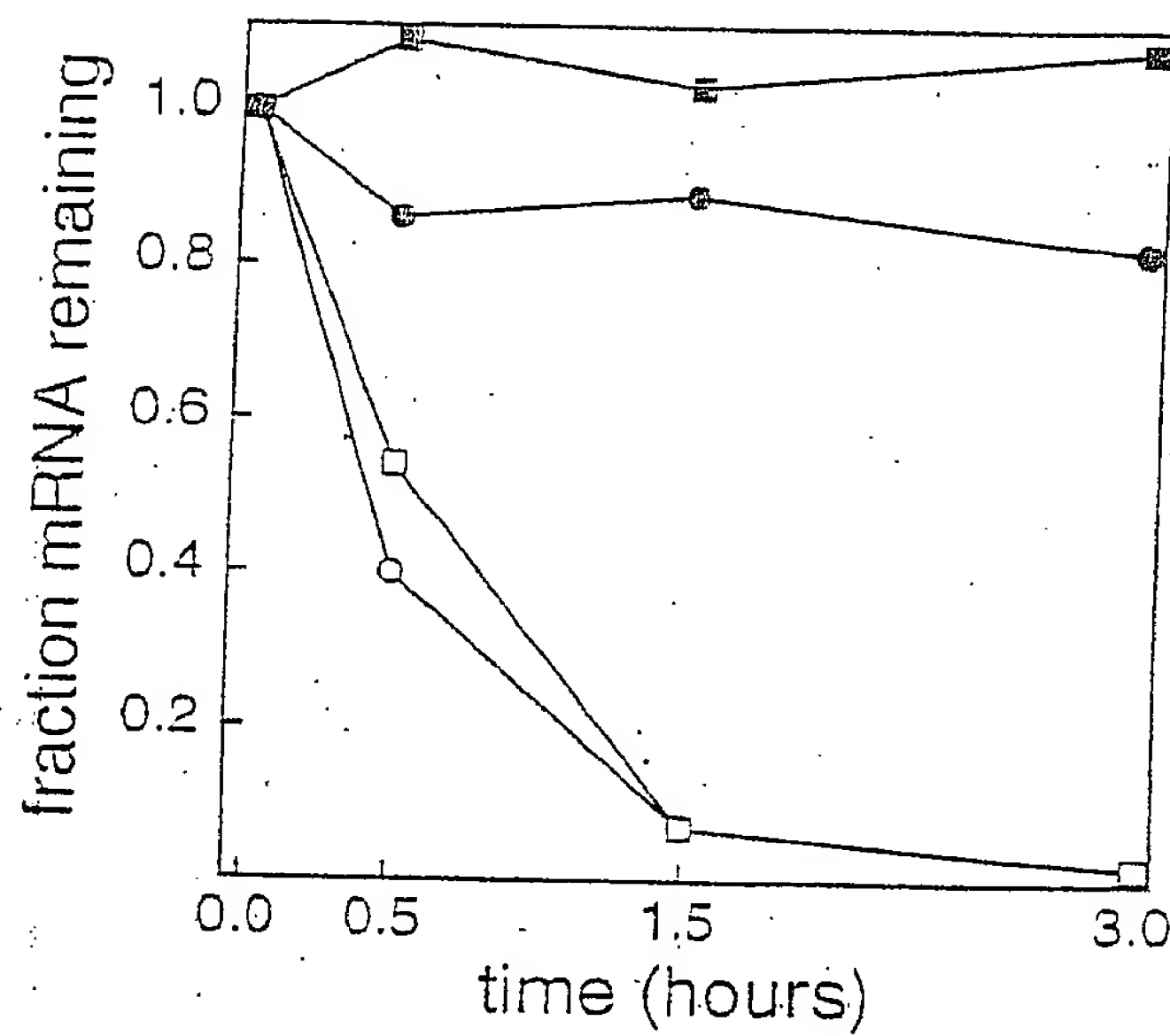


Figure 7C

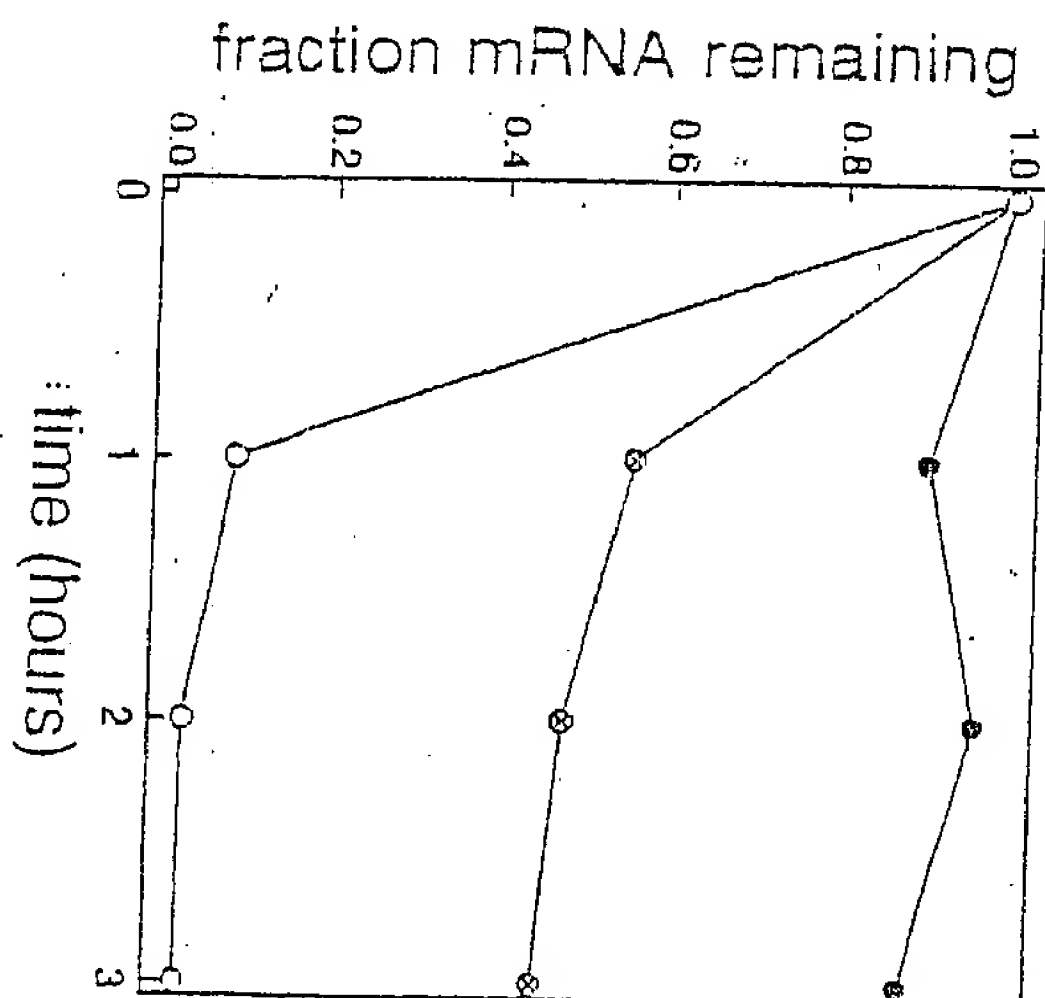


Figure 8A

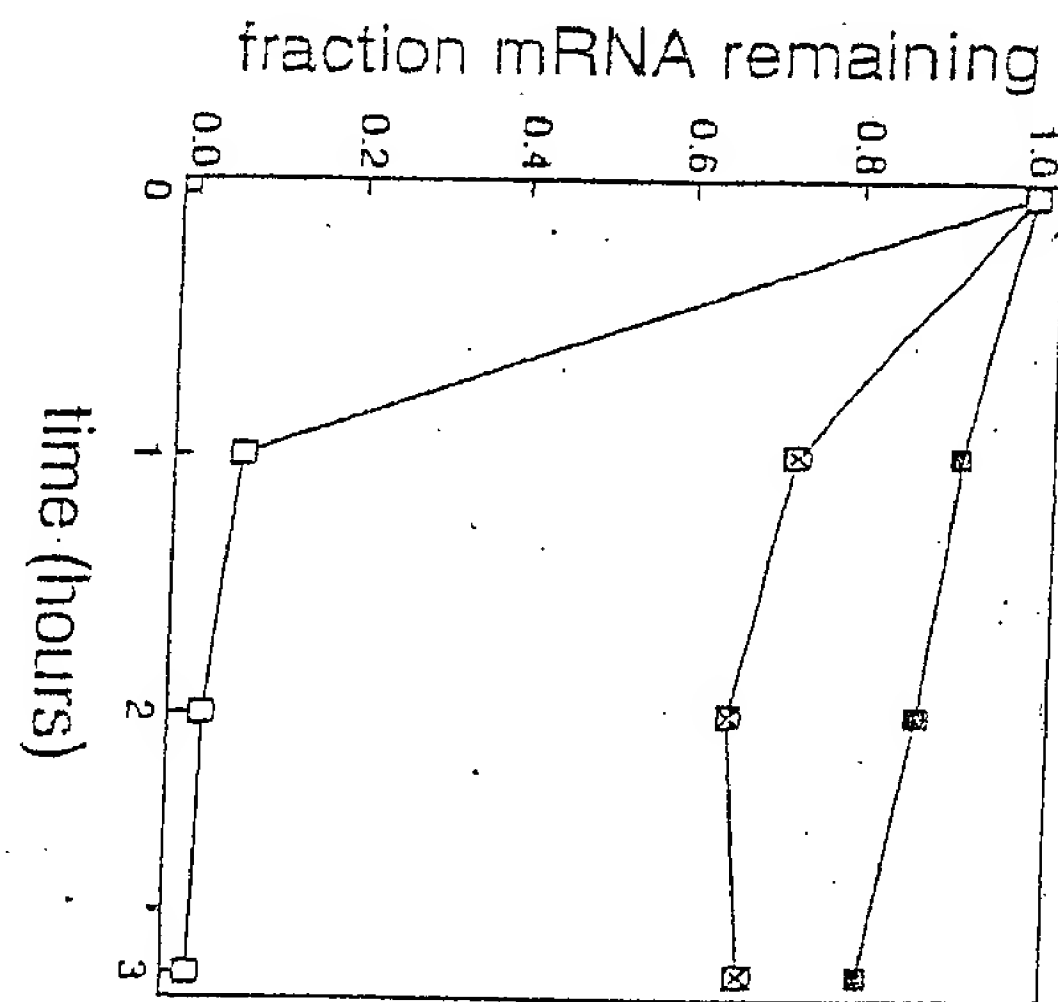


Figure 8B

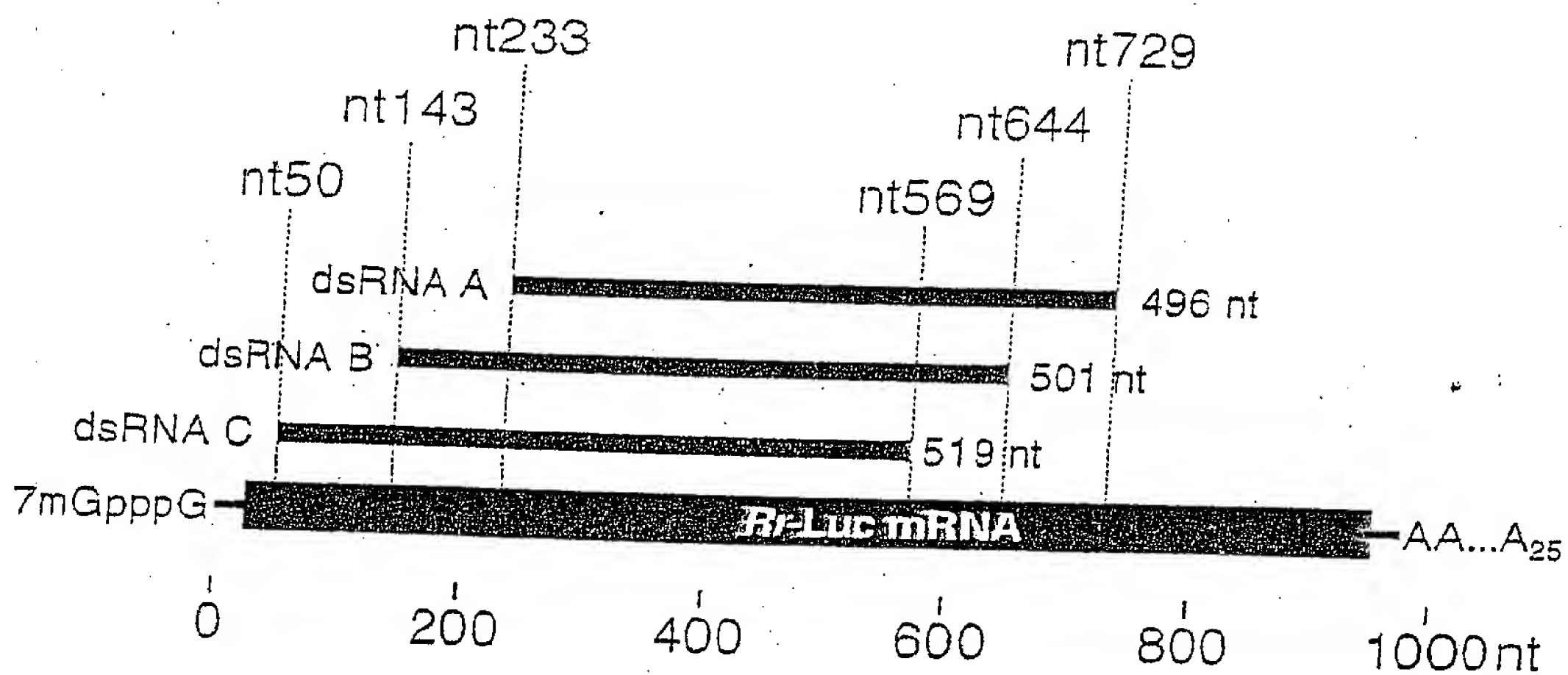


Figure 9

Figure 10

7mGpppGAAUACAAGCUUGGGCCUAGCCACCAUGACUUCGAAAGUUUAUGAUCC
 AGAACAAAGGAAACGGAU^oGAUAACUGGUCGCGAGUGGUGGGGCCAGAUG
 UAAACAAAUGAAUGUUCUUGAU^oCAUUUAUUAAUUUAUUAUGAU^oUCAGAAA
 AACAU^oGCAGAAAUGCUGUUAUUUUUUUACAUGGUAACGCGGCCUCUU
 CUUAUUUAUGGCGACAUGUUGUGCCACAUAUUGAGCCAGUAGCGCGGU
 GUAUUUAUACCAGACCUUAUUGGUAU...

Sequence-specific gene silencing by 21-23 nt fragments

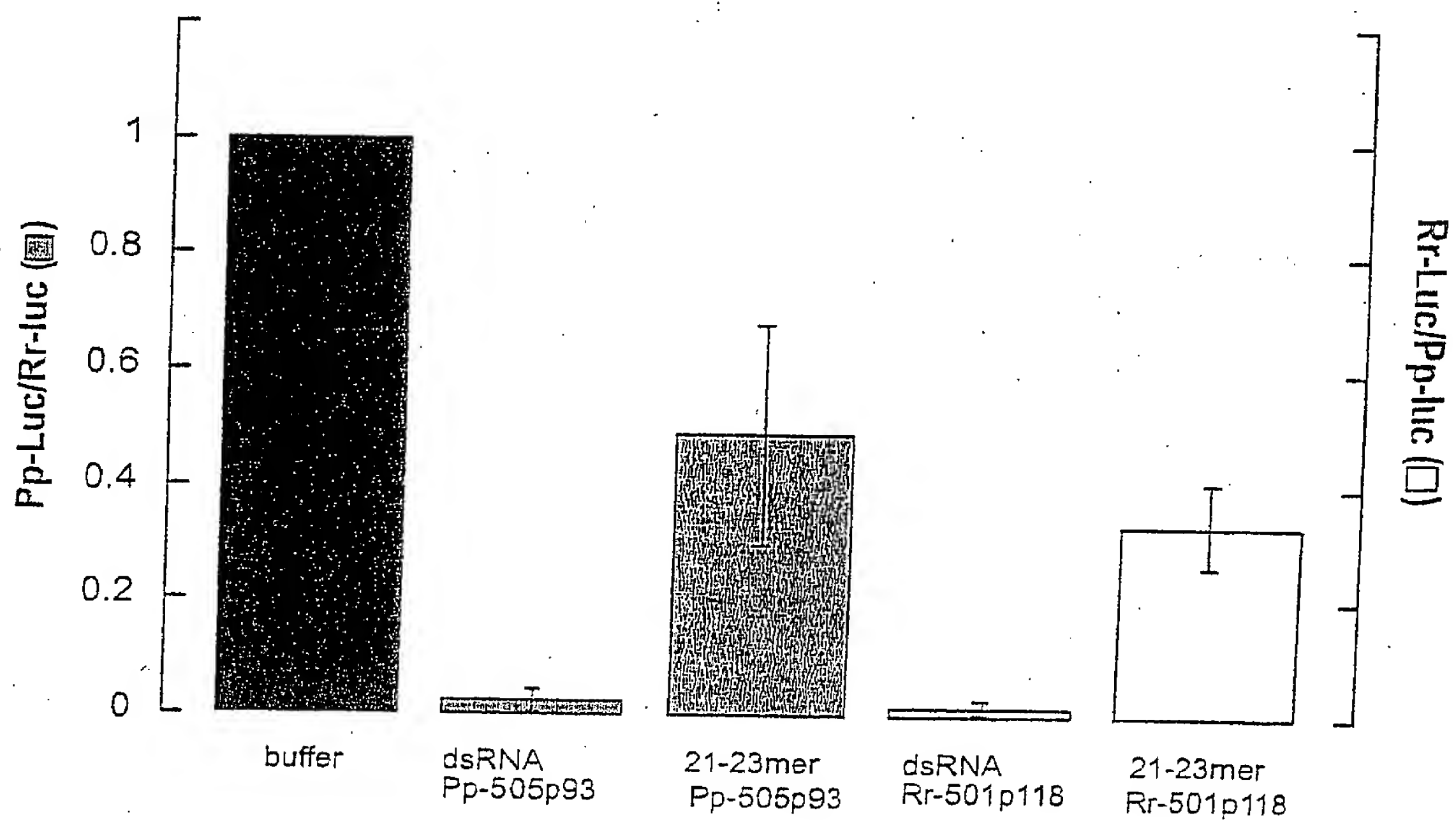


Figure 12

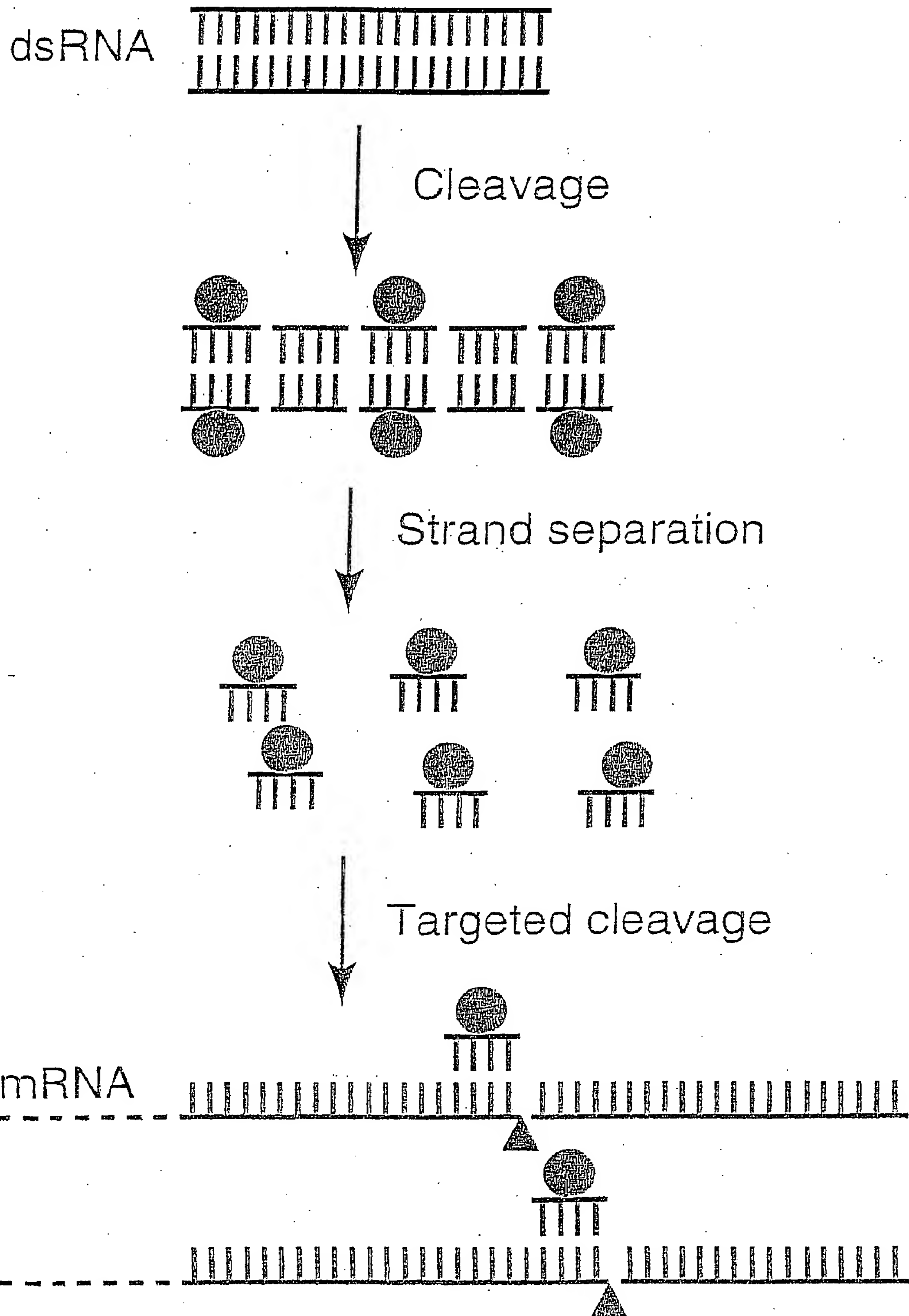


Figure 11

Figure 13A

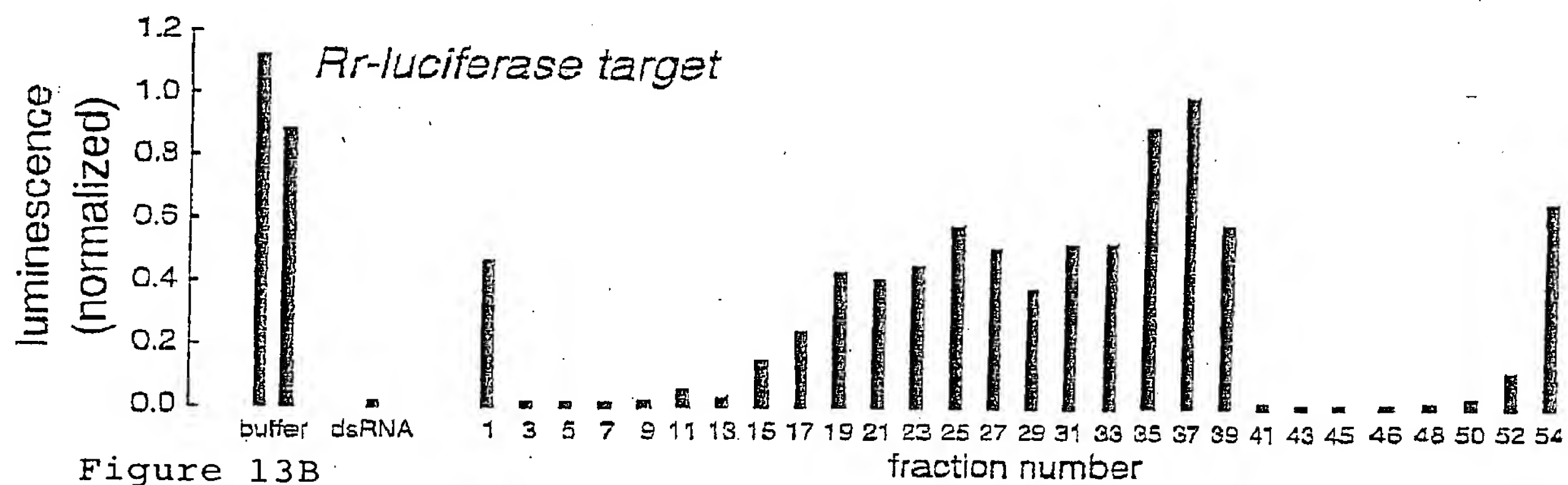
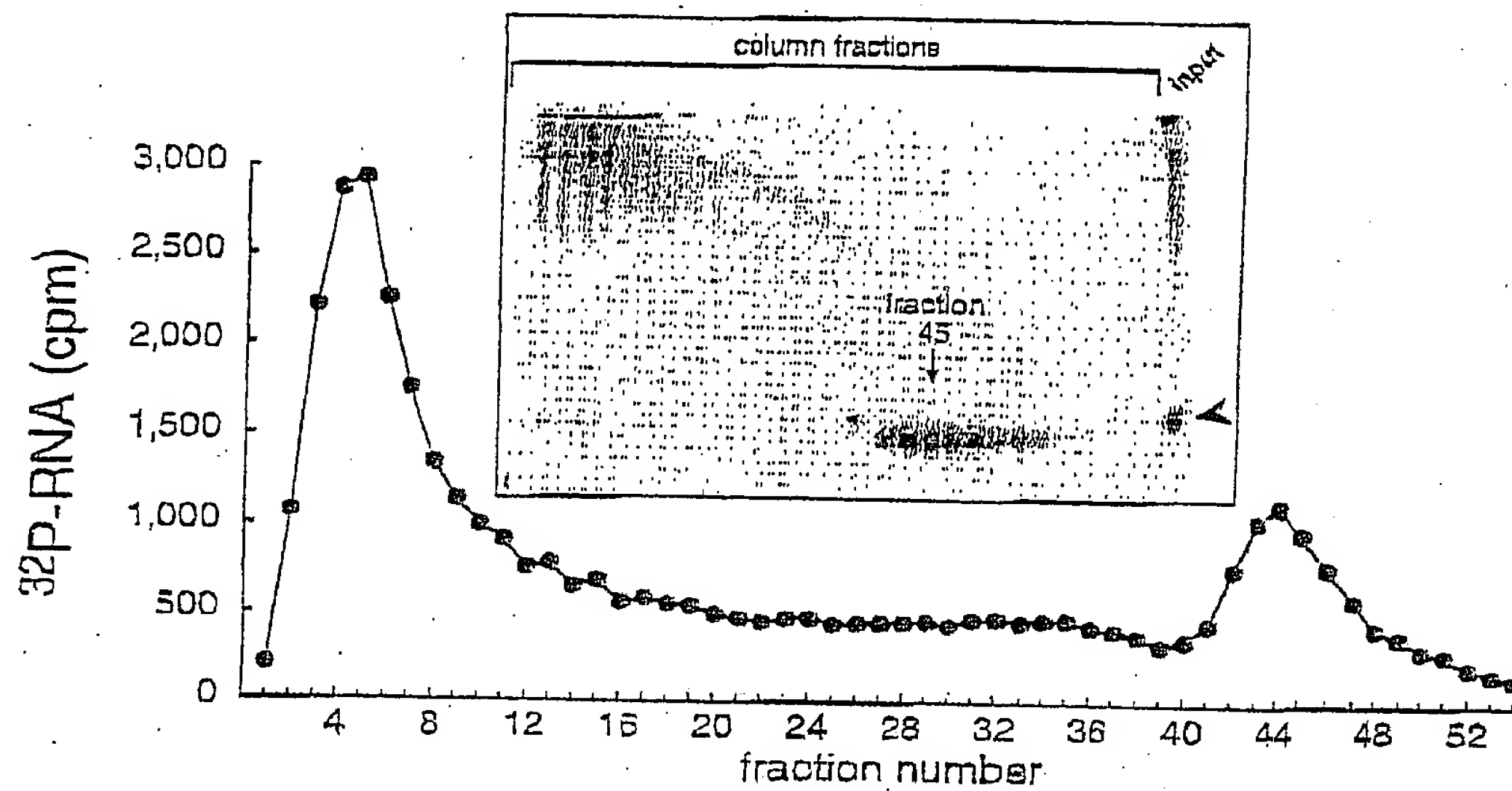


Figure 13B

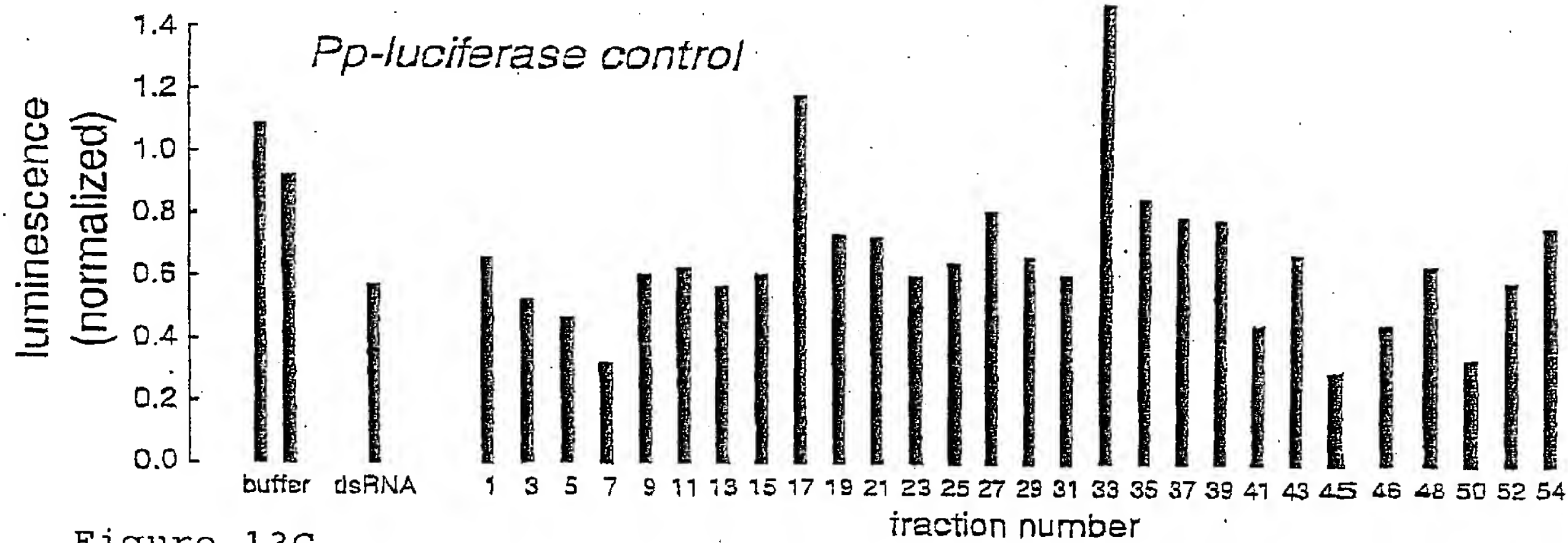


Figure 13C

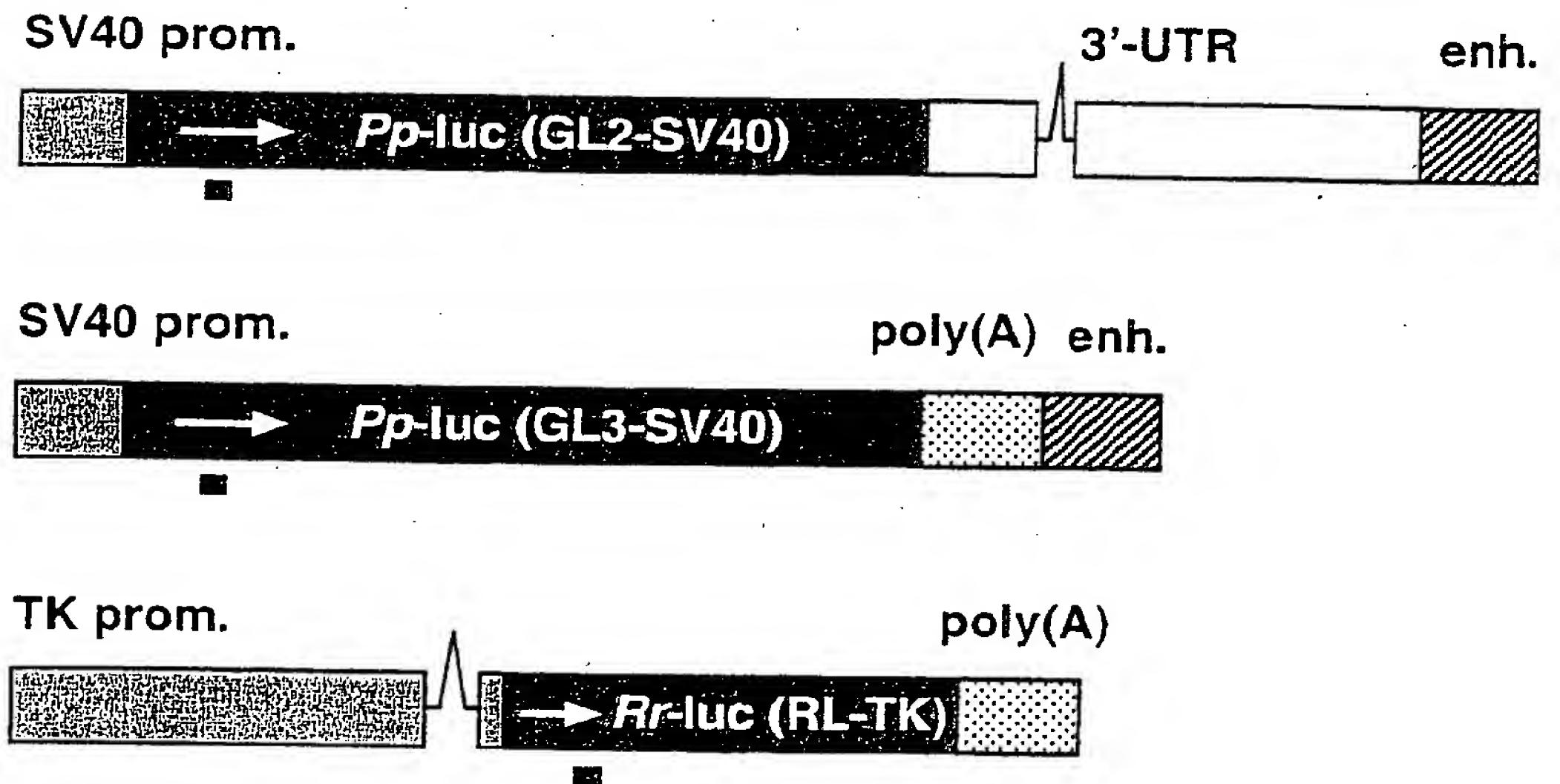


Figure 14A

siRNA
duplex

uGL2	5' CGUACGCGGAUACUUCGAUU UUGCAUGCGCCUUAUGAAGCU 5'
GL2	5' CGUACGCGGAUACUUCGATT TTGCAUGCGCCUUAUGAAGCU 5'
GL3	5' CUUACGCGAGUACUUCGATT TTGAAUGCGACUCAUGAAGCU 5'
invGL2	5' AGCUUCAUAAGGCGCAUGCTT TTUCGAAGUAUCCGCGUACG 5'
RL	5' AAACAUGCAGAAAUGCUGTT TTUUUGUACGUCUUUUACGAC 5'

Figure 14B

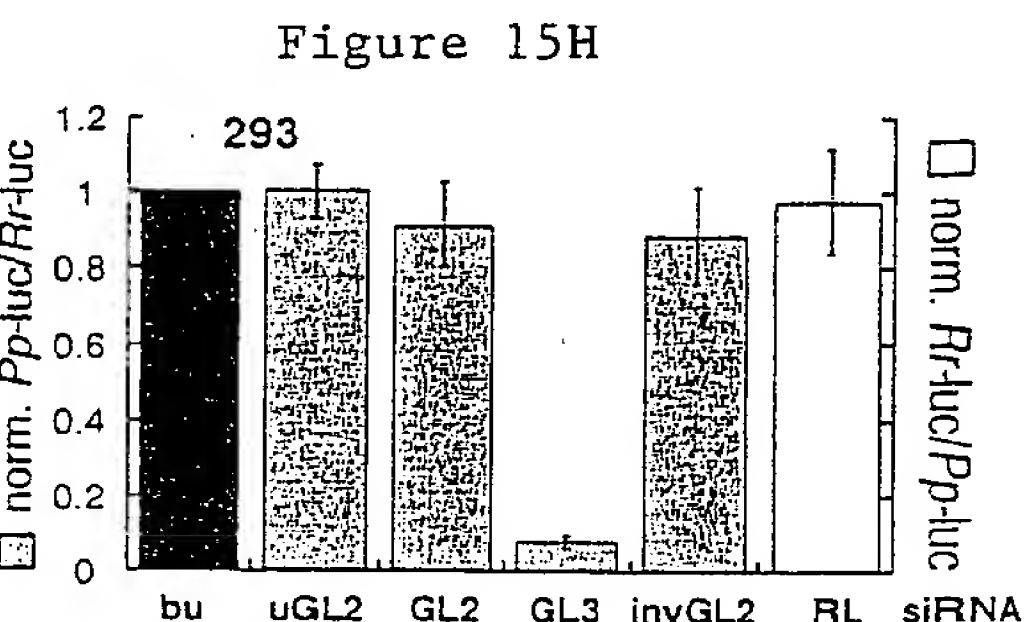
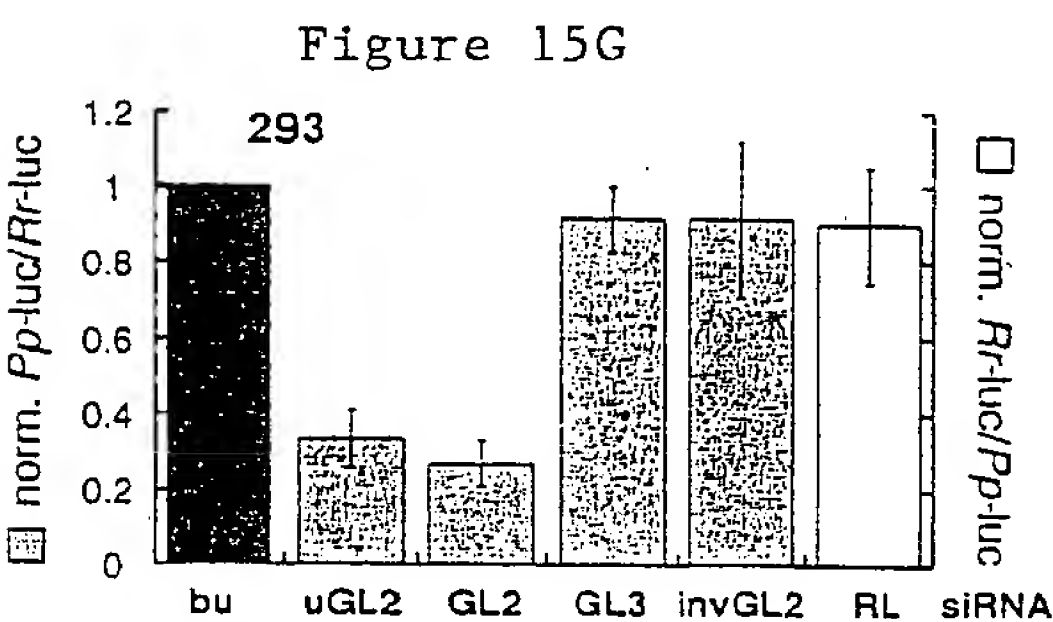
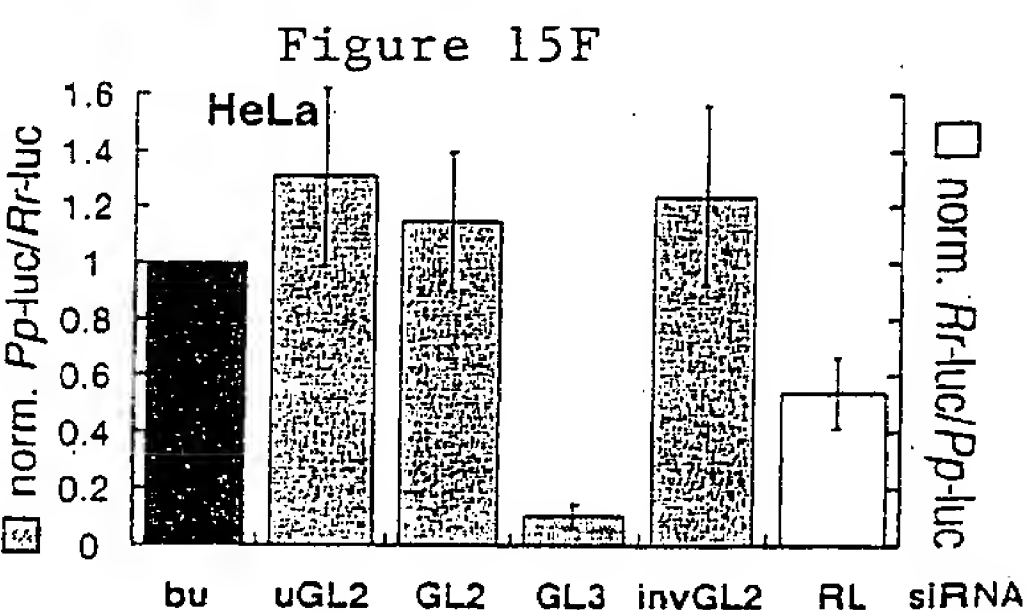
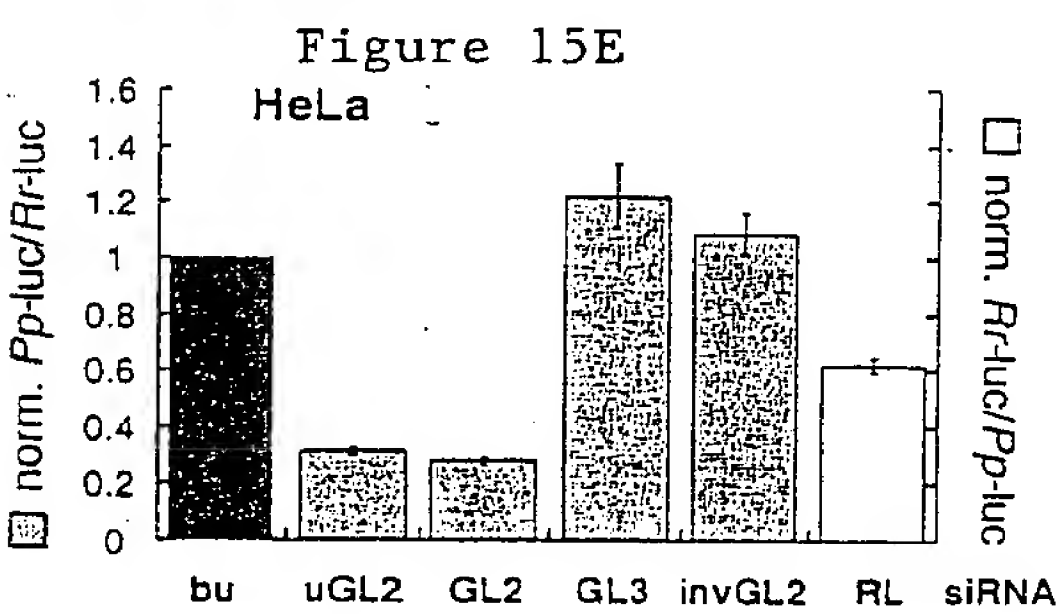
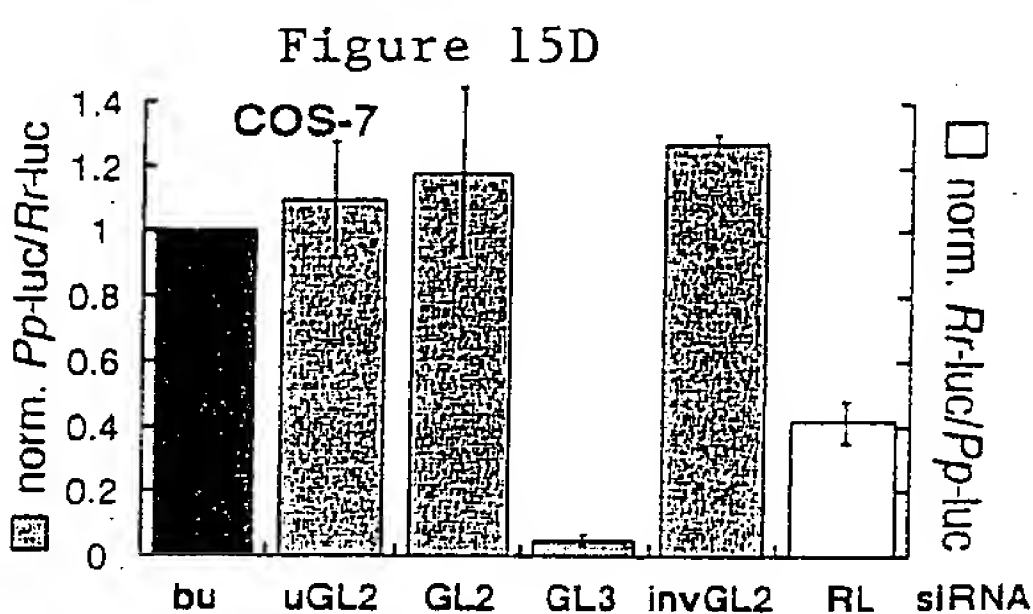
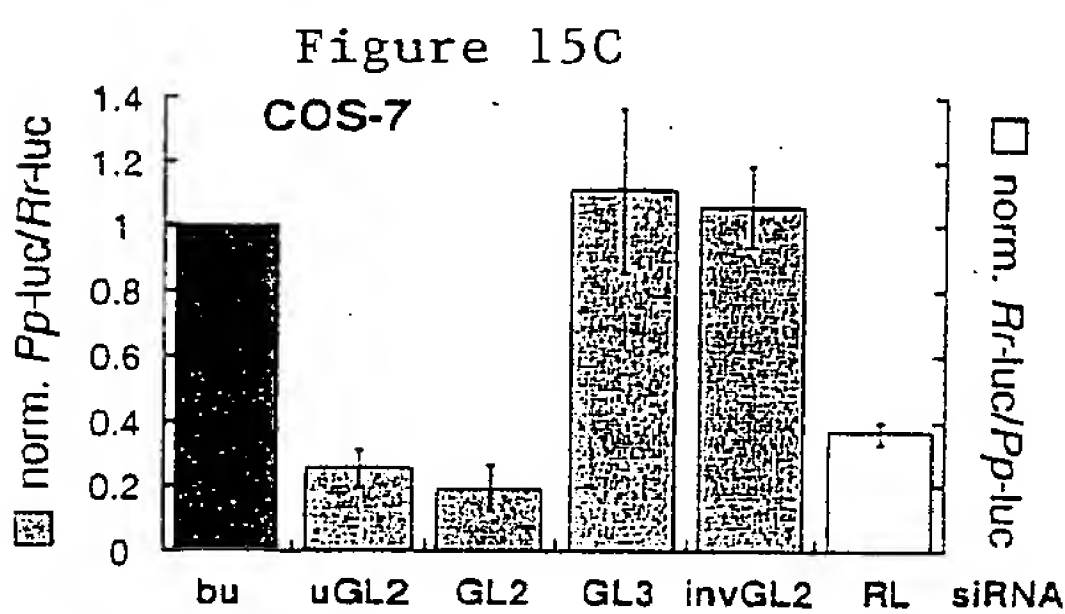
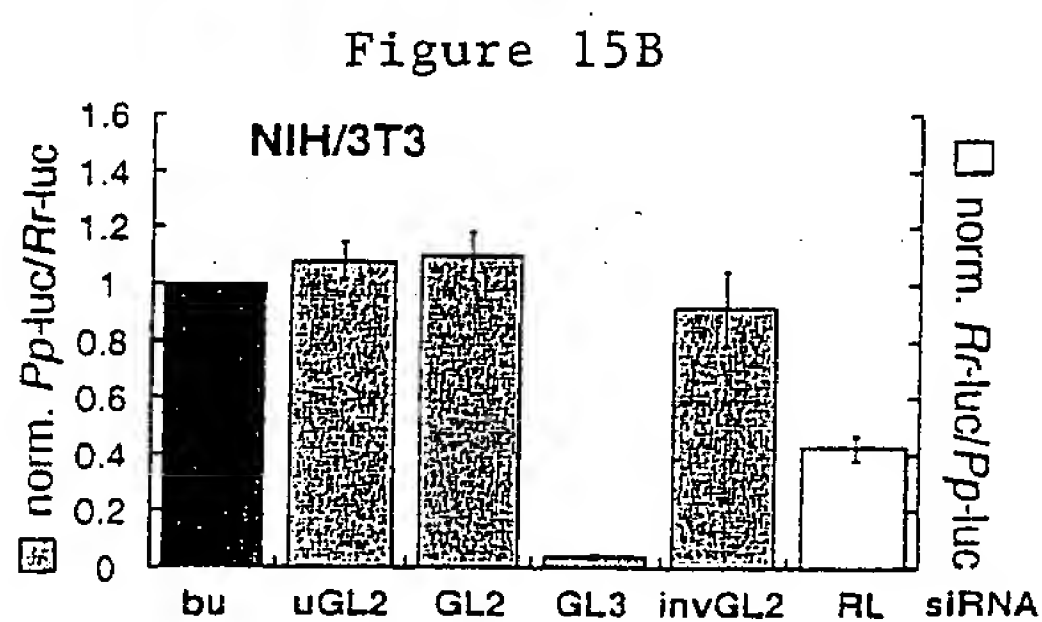
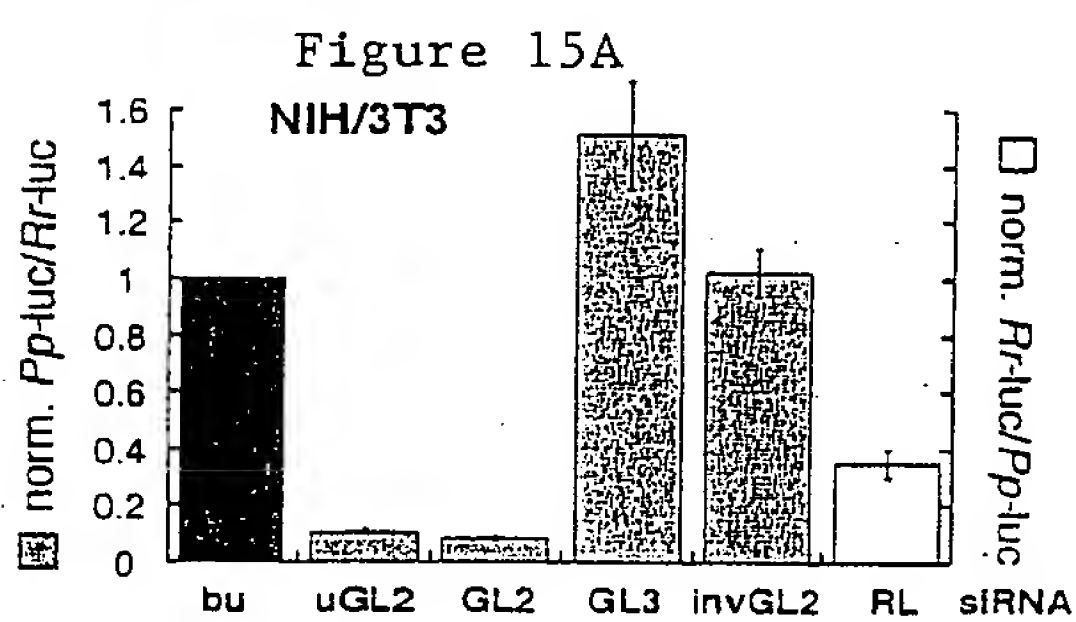
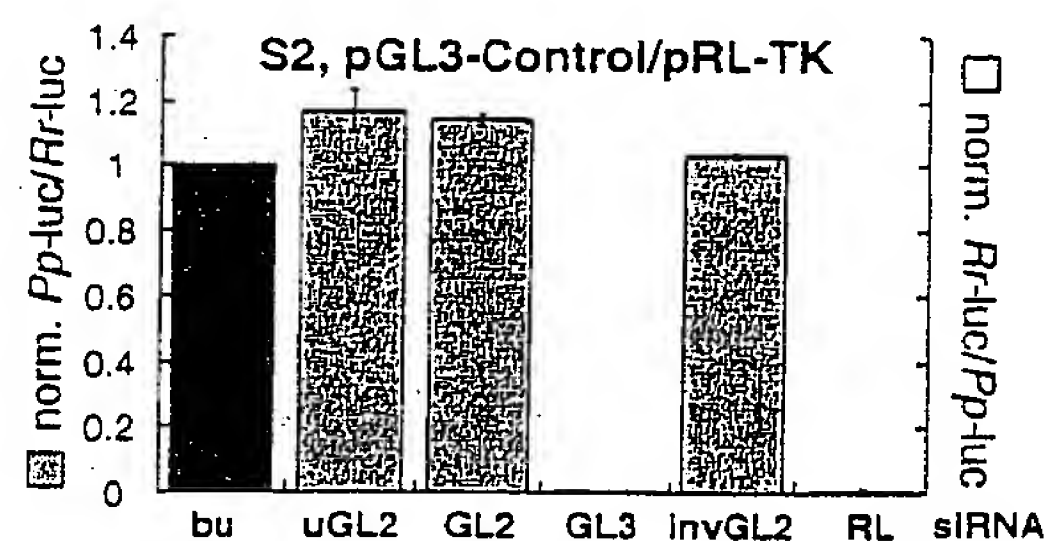
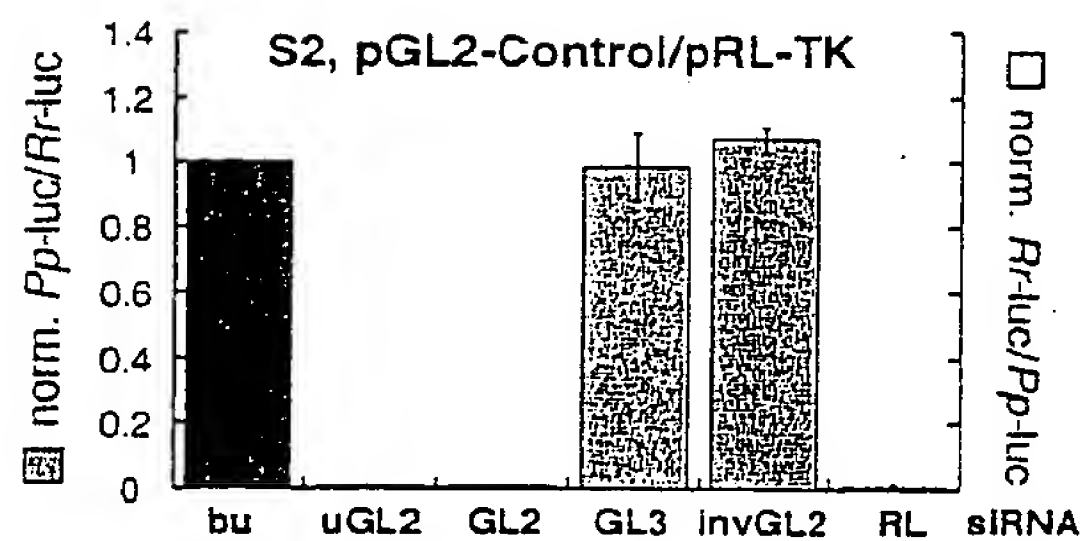


Figure 15I

Figure 15J

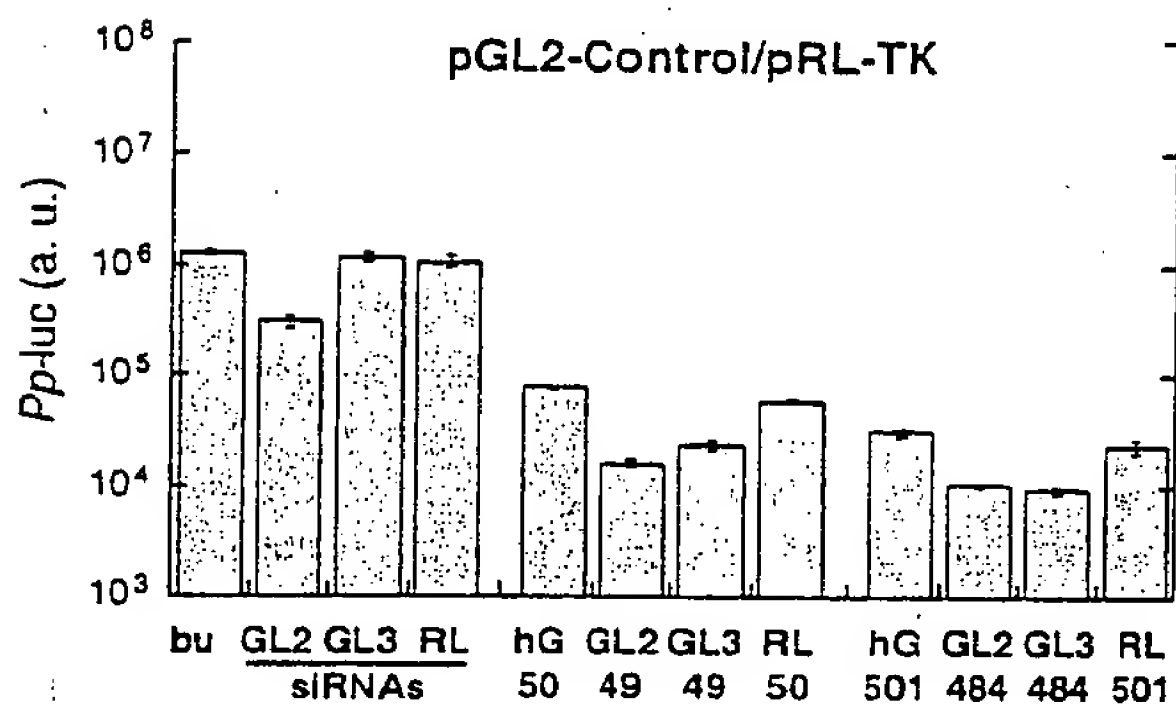


Figure 16A

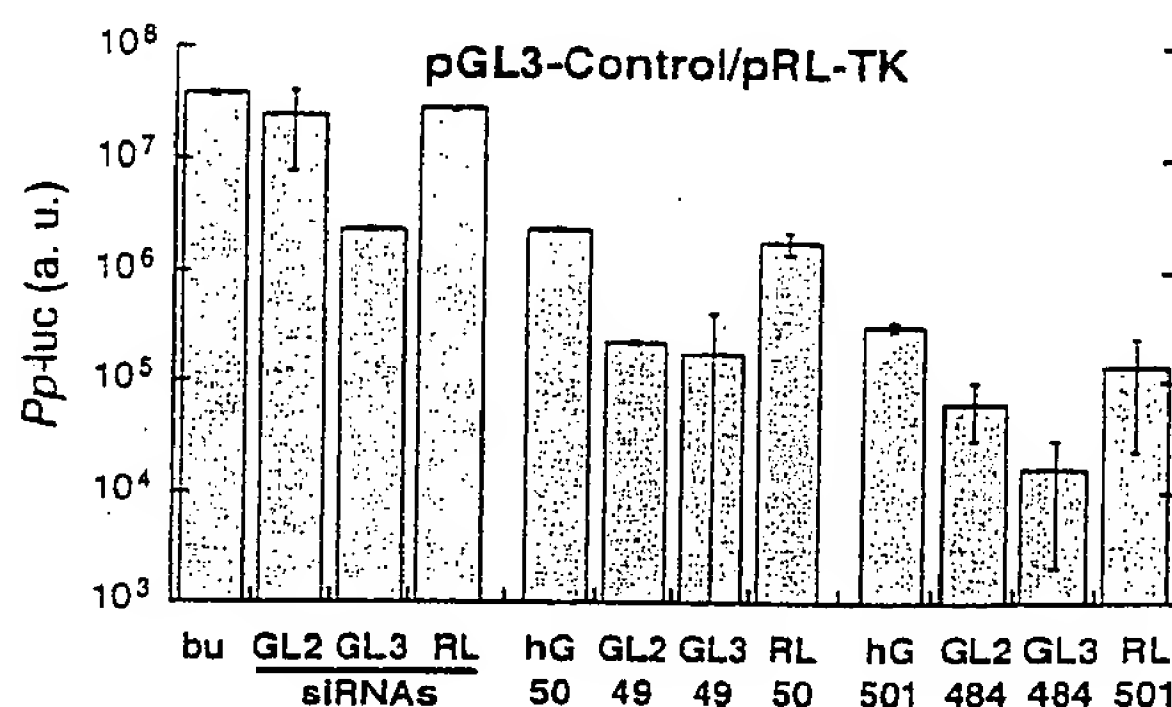


Figure 16B

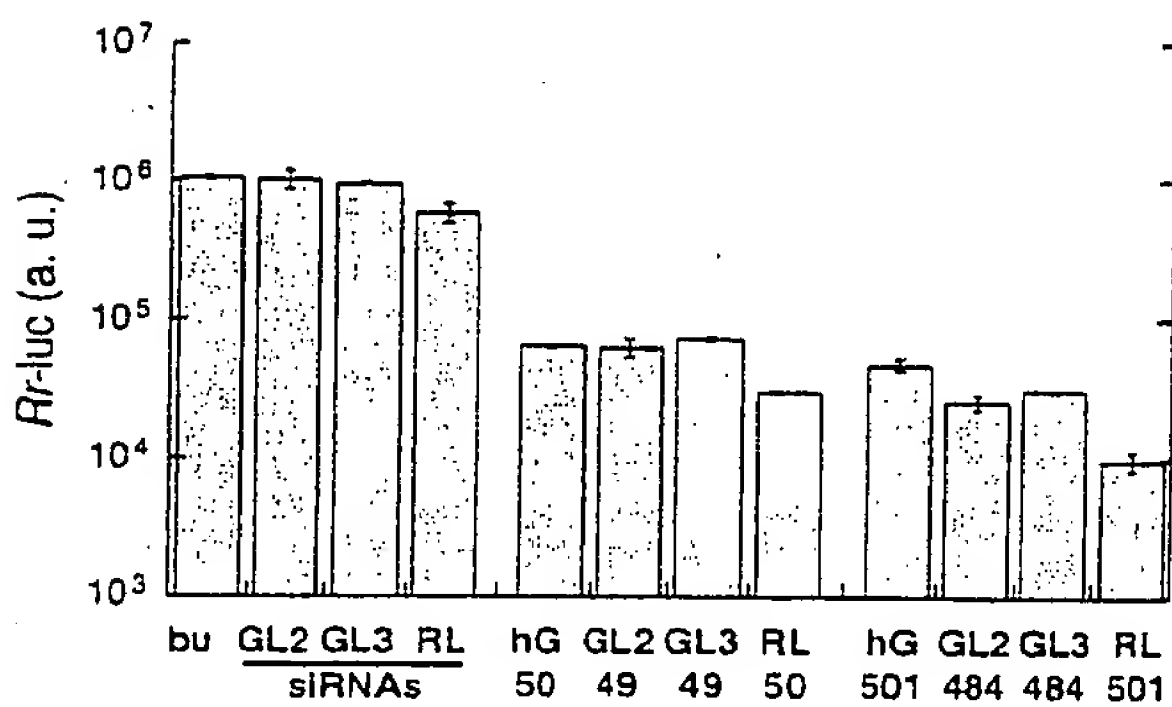


Figure 16C

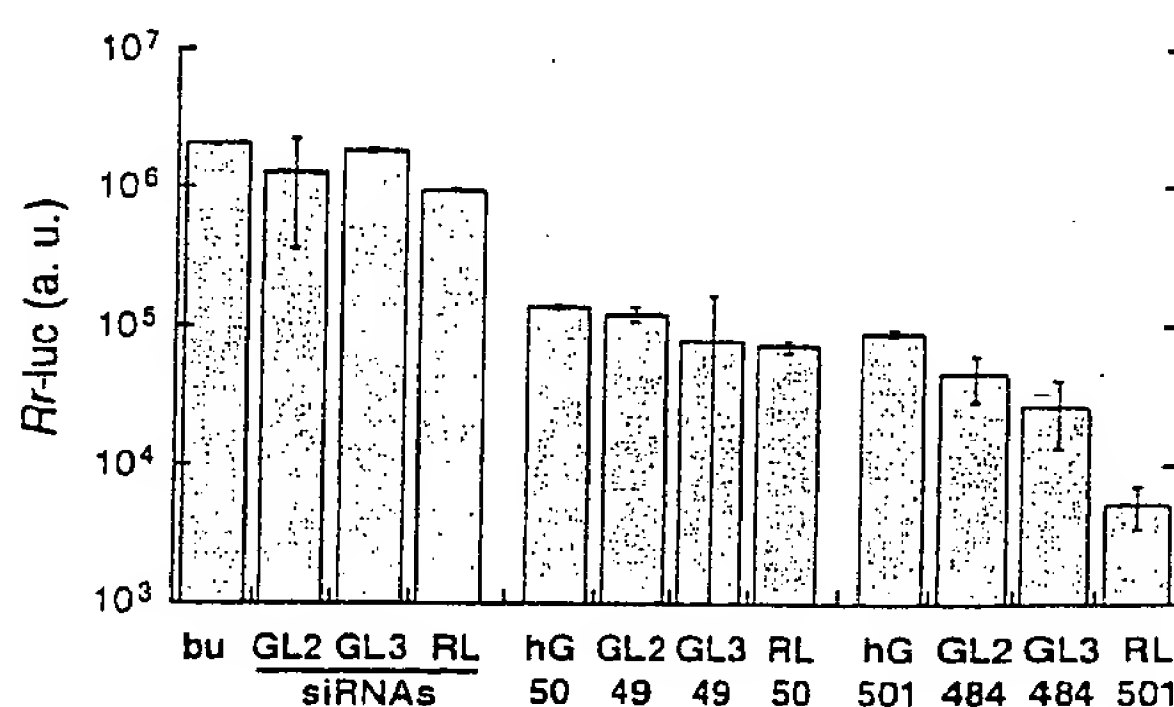


Figure 16D

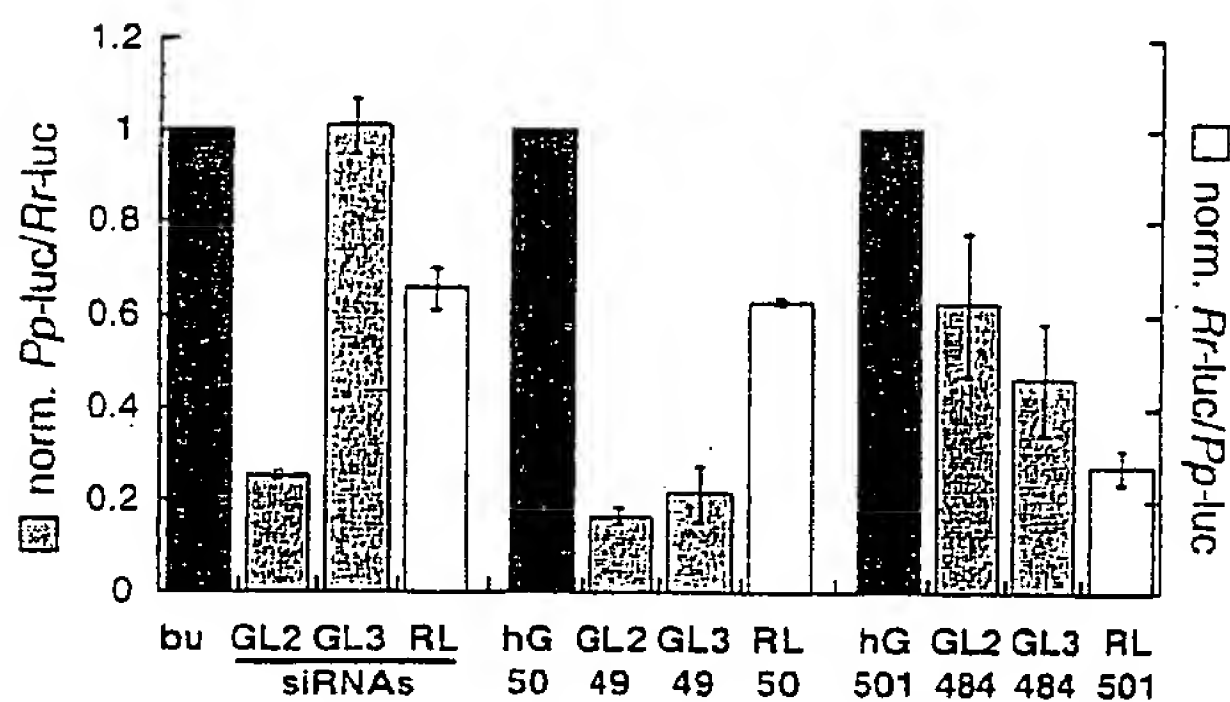


Figure 16E

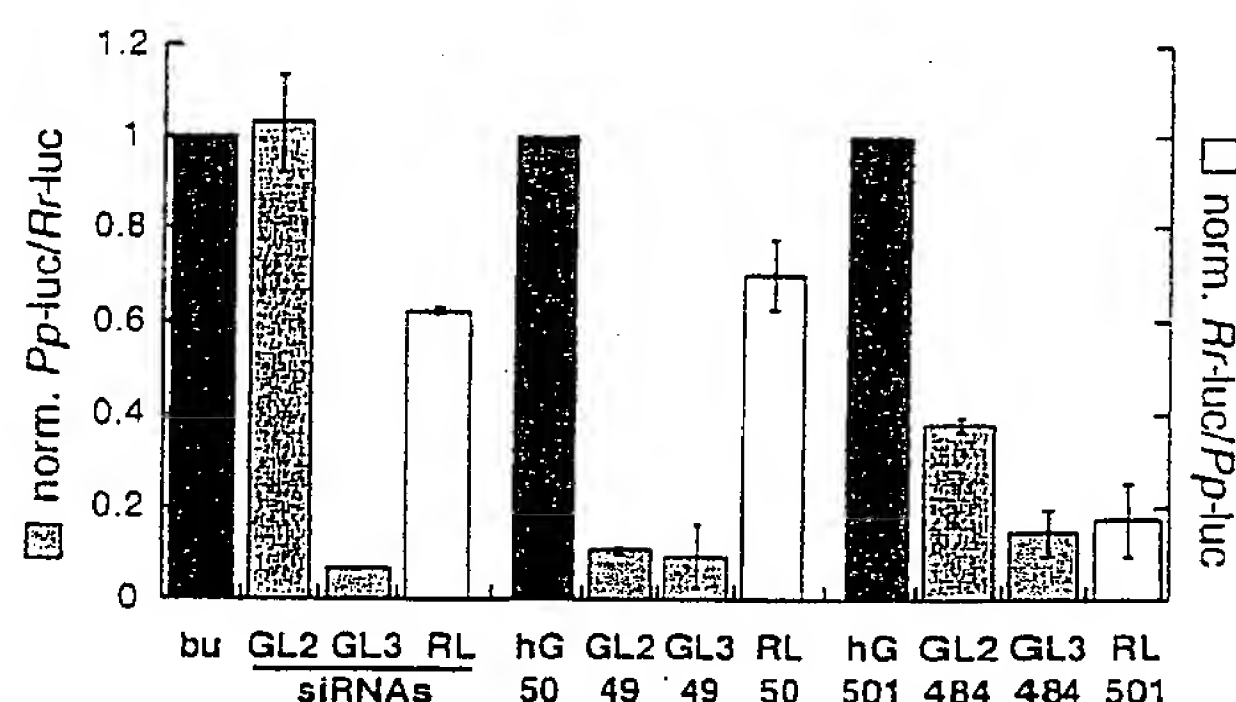


Figure 16F